

Bibliography

61-1 Chemical Identity

MRID	Citation Reference
45696501	Fontaine, L. (2002) Product Chemistry of Envidor 2SC Miticide: Lab Project Number: BR 2086: 200125: FDT-1020. Unpublished study prepared by Bayer Corp. 167 p.
45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.

61-2 Description of Beginning Materials and Manufacturing Proces

MRID	Citation Reference
45696501	Fontaine, L. (2002) Product Chemistry of Envidor 2SC Miticide: Lab Project Number: BR 2086: 200125: FDT-1020. Unpublished study prepared by Bayer Corp. 167 p.
45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.

61-3 Discussion of Formation of Impurities

MRID	Citation Reference
45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.

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MRID	Citation Reference
45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}

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62-2 Certification of limits

MRID	Citation Reference
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45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.

62-3 Analytical Method

MRID	Citation Reference
45696501	Fontaine, L. (2002) Product Chemistry of Envidor 2SC Miticide: Lab Project Number: BR 2086: 200125: FDT-1020. Unpublished study prepared by Bayer Corp. 167 p.
45696502	Fontaine, L. (2002) Product Chemistry of Spirodiclofen Technical: Lab Project Number: BR 2101: 15-920-2102: 2005-0010101-99 E. Unpublished study prepared by Bayer Corp. 270 p. {OPPTS 830.1550, 830.1620, 830.1670, 830.1700, 830.1750, 830.1800}
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MRID	Citation Reference
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45697306 Schneider, J. (2001) Partition Coefficient in Octanol-Water of 2,4-Dichlorobenzoic Acid: Lab Project Number: 1400361019: 2001-04-20. Unpublished study prepared by Bayer Ag. 19 p.

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MRID	Citation Reference
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MRID	Citation Reference
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72-2 Acute Toxicity to Freshwater Invertebrates

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MRID	Citation Reference
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72-4 Fish Early Life Stage/Aquatic Invertebrate Life Cycle Study

MRID	Citation Reference
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72-5 Life cycle fish

MRID	Citation Reference
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MRID	Citation Reference
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81-2 Acute dermal toxicity in rabbits or rats

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MRID	Citation Reference
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MRID	Citation Reference
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81-5 Primary dermal irritation

MRID	Citation Reference
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81-6 Dermal sensitization

MRID	Citation Reference
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81-8 Acute neurotoxicity screen study in rats

MRID	Citation Reference
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82-1 Subchronic Oral Toxicity: 90-Day Study

MRID	Citation Reference
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82-2 21-day dermal-rabbit/rat

MRID	Citation Reference
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82-7 Subchronic Neurotoxicity

MRID	Citation Reference
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83-1 Chronic Toxicity

MRID	Citation Reference
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45696804	Wetzig, H.; Hartmann, E. (2002) BAJ 2740: Subchronic Toxicity Study in Beagle Dogs (14 Week Feeding Study): Lab Project Number: PH 30661A: T 4 061 566: 110504-1. Unpublished study prepared by Bayer AG. 90 p. {OPPTS 870.3150}

45696810 Wetzig, H.; Ruhl-Rehlert, C. (2001) BAJ 2740: Chronic Toxicity Study in Beagle Dogs (One Year Feeding Study): Lab Project Number: PH 30829: T 6 067 346: 110517. Unpublished study prepared by Bayer AG. 686 p. {OPPTS 870.4100}

45696811 Wetzig, H.; Hartmann, E. (2002) BAJ 2740: Chronic Toxicity Study in Beagle Dogs: Lab Project Number: PH 30829A: T 6 067 346: 110517-1. Unpublished study prepared by Bayer AG. 96 p. {OPPTS 870.4100}

83-2 **Oncogenicity**

MRID	Citation Reference
45696724	Whale, B. (2000) Technical Grade BAJ 2740 240: An Oncogenicity Testing Study in the Mouse: Lab Project Number: 109626: 97-271-LV. Unpublished study prepared by Bayer Corporation. 2467 p.
45696808	Wirnitzer, U.; Bach, U.; Hartmann, E. (2000) BAJ 2740: Combined Study on Chronic Toxicity and Carcinogenicity in Wistar Rats (Dietary Administration over 2 Years): Lab Project Number: 30399: T7061640: 110516. Unpublished study prepared by Bayer AG. 2696 p. {OPPTS 870.4300}
45696809	Wirnitzer, U.; Hartmann, E. (2002) BAJ 2740: Combined Study on Chronic Toxicity and Carcinogenicity in Wistar Rats (Dietary Administration over 2 Years): Lab Project Number: 110516: 110516-1: PH 30399A. Unpublished study prepared by Bayer AG. 185 p. {OPPTS 870.4300}

83-3 **Teratogenicity -- 2 Species**

MRID	Citation Reference
45696714	Holzum, B. (1998) BAJ 2740 Developmental Toxicity Study in Rabbits After Oral Administration: Lab Project Number: 27631: T1061725: 108874. Unpublished study prepared by Bayer Ag. 493 p. {OPPTS 870.3700}
45696906	Klaus, A. (2000) BAJ 2740: Developmental Toxicity Study in Rats After Oral Administration: Lab Project Number: PH 29736: T2061366. Unpublished study prepared by Bayer AG. 670 p. {OPPTS 870.3700}

83-4 **2-generation repro.-rat**

MRID	Citation Reference
45696709	Eiben, R. (1997) BAJ 2740: One-Generation Study in Wistar Rats: Lab Project Number: PH-26960: T5061530: 108545. Unpublished study prepared by Bayer AG. 165 p.
45696802	Eiben, R. (2000) BAJ 2740: Two-Generation Study in Wistar Rats: Lab Project Number: PH 29592: T0061977: 110503. Unpublished study prepared by Bayer AG. 1002 p. {OPPTS 870.3800}

83-5 **Dietary: Combined Chronic Toxicity/Oncogenicity Studies**

MRID	Citation Reference
45696808	Wirnitzer, U.; Bach, U.; Hartmann, E. (2000) BAJ 2740: Combined Study on Chronic Toxicity and

Carcinogenicity in Wistar Rats (Dietary Administration over 2 Years): Lab Project Number: 30399: T7061640: 110516. Unpublished study prepared by Bayer AG. 2696 p. {OPPTS 870.4300}

45696809 Wirnitzer, U.; Hartmann, E. (2002) BAJ 2740: Combined Study on Chronic Toxicity and Carcinogenicity in Wistar Rats (Dietary Administration over 2 Years): Lab Project Number: 110516: 110516-1: PH 30399A. Unpublished study prepared by Bayer AG. 185 p. {OPPTS 870.4300}

84-2 Interaction with Gonadal DNA

MRID	Citation Reference
45696614	Brendler-Schwaab, S. (1997) BAJ 2740 Mutagenicity Study for the Detection of Induced Forward Mutations in the V79-HPRT Assay In Vitro: Lab Project Number: 25974: T 8053749: 107784. Unpublished study prepared by Bayer AG. 36 p. {OPPTS 870.5300}
45696615	Herbold, B. (1996) BAJ 2740 In Vitro Mammalian Chromosome Aberration Test with Chinese Hamster V79 Cells: Lab Project Number: 107785: PH-25716: T 7053748. Unpublished study prepared by Bayer AG. 38 p. {OPPTS 870.5375}
45696701	Herbold, B. (1996) BAJ 2740 Micronucleus Test on the Mouse: Lab Project Number: PH-25358: T 7060236: 107788. Unpublished study prepared by Bayer Ag. 49 p. {OPPTS 870.5395}
45696702	Herbold, B. (1996) BAJ 2740 Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: 25325: T 3053744: 107789. Unpublished study prepared by Bayer Ag. 55 p. {OPPTS 870.5100}
45696805	Herbold, B. (1999) BAJ 2740-Enol (Metabolite of BAJ 2740) Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: PH-28631: T 9059933: 110505. Unpublished study prepared by Bayer AG. 49 p. {OPPTS 870.5100}
45696817	Herbold, B. (2001) BAJ 2740 240 SC: Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: T 5069541: 110529: PH 30756. Unpublished study prepared by Bayer AG. 49 p. {OPPTS 870.5100}
45696818	Herbold, B. (2001) BAJ 2740-MA-3OH-Cyclohexylester: Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: T 2069926: PH 30683: 110530. Unpublished study prepared by Bayer AG. 50 p. {OPPTS 870.5100}
45696819	Herbold, B. (2001) BAJ 2740-Ketohydroxy: Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: PH 30671: 110532: T 8069887. Unpublished study prepared by Bayer AG. 50 p. {OPPTS 870.5100}
45696821	Herbold, B. (2001) BAJ 2740 240 SC: In Vitro Chromosome Aberration Test with Chinese Hamster V79 Cells: Lab Project Number: PH 30826: T 4069883: 110534. Unpublished study prepared by Bayer AG. 50 p. {OPPTS 870.5375}
45696909	Herbold, B. (2001) C6-Hydroxyester: Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: 31003: T 0070102: 110824. Unpublished study prepared by Bayer AG. 56 p. {OPPTS 870.5100}
45696921	Herbold, B. (2001) BAJ 2740-Hexylester: Salmonella/Microsome Test Plate Incorporation and Preincubation Method: Lab Project Number: 110946: PH 31564: T 3070501. Unpublished study prepared by Bayer AG. 51 p. {OPPTS 870.5100}

85-1 General metabolism

MRID	Citation Reference
45696509	Koester, J. (2000) Dihydrofuranone-3-(Carbon 14) BAJ 2740: Distribution of the Total Radioactivity in the Rat Determined by Quantitative Whole Body Autoradiography: Lab Project Number: 109854: M 9990832-0: MR 227/00. Unpublished study prepared by Bayer AG. 57 p. {OPPTS 870.7485}
45696511	Andersch, I.; Koester, J. (2000) (Dihydrofuraone-3-(Carbon 14)) BAJ 2740: Investigation of Biokinetic Behaviour and the Metabolism in the Rat: Lab Project Number: 110646: M 51819060: M 1820831-3. Unpublished study prepared by Bayer AG. 224 p. {OPPTS 870.7485}
45696512	Koster, J.; Andersch, I. (2000) (Dihydrofuranone-3-(Carbon 14)) BAJ 2740: Investigation of Biokinetic Behaviour and the Metabolism in the Rat Following Subchronic Feeding: Lab Project Number: M 01819074: 110647: MR-610/99. Unpublished study prepared by Bayer AG. 108 p. {OPPTS 870.7485}

85-3 **Dermal Penetration/Absorption**

MRID	Citation Reference
45697311	Wu, Z. (2002) A Study to Determine the Dermal Absorption of BAJ 2740-Dihydrofuranone-3-(Carbon 14) in a SC 240 Formulation When Administered Dermally to Naive Male Rhesus Monkeys: Final Report: Lab Project Number: QEAZ-169-02-169: G200109: 02C-B29-JH. Unpublished study prepared by Charles River Laboratories. 82 p. {OPPTS 870.7600}
45697312	Sebesta, C. (2002) An Exploratory Study to Determine the Rate and Route of Elimination of BAF 2740-Dihydrofuranone-3-(Carbon 14) When Administered Intravenously or Dermally to Male Rhesus Monkeys: Lab Project Number: G200110: QEAZ-162: 01C-P29-HH. Unpublished study prepared by Charles River Laboratories. 99 p. {OPPTS 870.7600}

122-1 **Seed Germination/Seedline Emergence and Vegetable Vigor**

MRID	Citation Reference
45696925	Bowers, L.; Dollinger, M. (2000) Tier 1 Seedling Emergence and Vegetative Vigor Nontarget Phytotoxicity Study Using BAJ 2740 240 SC: Lab Project Number: 109597: BJ451601: BJ451602. Unpublished study prepared by Bayer Corp. 89 p.

122-2 **Aquatic plant growth**

MRID	Citation Reference
45697005	Anderson, J. (1998) Influence of BAJ 2740 (techn.) on the Growth of the Green Alga, Pseudokirchneriella subcapitata (formerly Selenastrum capricornutum): Lab Project Number: E 323 1342-8: 109698: AJO/166597. Unpublished study prepared by Bayer AG. 43 p.
45697011	Dorgeloh, M. (1999) BAJ 2740 SC 240--Influence on the Growth of the Green Alga, Selenastrum capricornutum: Lab Project Number: 109705: E 323 1343-9: DOM 98045. Unpublished study prepared by Bayer AG. 38 p.
45697016	Seyfried, B. (2000) Toxicity of BAJ 2740-Enol to Pseudokirchneriella Subcapitata (formerly Selenastrum

Capricornutum) in a 96-Hour Algal Growth Inhibition Test: Lab Project Number: 743106: 109710: 743117. Unpublished study prepared by RCC Ltd. 51 p. {OPPTS 850.5400}

45697028 Hancock, G.; Lam, C. (2001) Toxicity of BAJ 2740 (Technical) to Duckweed (Lemna gibba G3): Lab Project Number: BJ881601: 110009. Unpublished study prepared by Bayer Corp. 39 p.

123-1 Seed germination/seedling emergence and vegetative vigor

MRID	Citation Reference
45697025	Bowers, L. (2001) Tier 2 Seedling Emergence and Vegetative Vigor Nontarget Phytotoxicity Study Using BAJ 2740 SC240: Lab Project Number: 109853: BJ451603: BJ451604. Unpublished study prepared by Bayer Corp. 77 p.

132-1 Dissipation of Dislodgeable Foliar & Soil Residues

MRID	Citation Reference
45697313	Standart, V. (2002) Determination of Dislodgeable Foliar Residues in Citrus and Apple Treated with ENVIDOR 2 SC Miticide: Final Report: Lab Project Number: 200035: BJ251601: BJ251602. Unpublished study prepared by Bayer Corporation. 323 p. {OPPTS 875.2100}

141-1 Honey bee acute contact

MRID	Citation Reference
45697010	Weyman, G. (1998) BAJ 2740 SC 240--Acute Contact and Oral Toxicity to the Honey Bee, Apis mellifera: Lab Project Number: 262/99-D2145: 109703: 262/99. Unpublished study prepared by Covance. 28 p.
45697017	Kleiner, R. (1998) Testing Toxicity to Honeybee--Apis mellifera L. (Laboratory): BAJ 2740: Lab Project Number: 97 10 48 069: 109711. Unpublished study prepared by BioChem Agrar. 26 p.

141-5 Field test for pollinators

MRID	Citation Reference
45697105	Maus, C.; Doering, J. (2001) Evaluation of the Effects of BAJ 2740 SC 240 on the Development of Bee Colonies and the Behavior and Mortality of Honey Bees (Apis mellifera) in Orchards Under Semi Field Conditions (Location Laacher Hof): Lab Project Number: 110345: MAUS/AM 011: E 319 2058-8. Unpublished study prepared by Bayer AG Crop Protection. 37 p.

143-2 Toxicity to Predators and Parasites in Fruit and Nut Crops

MRID	Citation Reference
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45697114 Gossmann, A. (2000) Effects of BAJ 2740 SC 240 on Predatory Mites Typhlodromus pyri Scheuten (Acari, Phytoseiidae) in Orchards, Field Experiment: Lab Project Number: 3351064: 110641. Unpublished study prepared by IBACON GmbH. 35 p.

45697120 Neumann, P. (2000) Effects of BAJ 2740 SC 240 on the Life Cycle of the Predaceous Mite Typhlodromus pyri under Extended Laboratory Conditions: Amendment 1: Lab Project Number: E 287 1582-4: 110789: NNP/TP004. Unpublished study prepared by Bayer AG Agricultural Centre Institute for Environmental Biology. 33 p.

45697121 Schmuck, R. (1998) Effects of BAJ 2740 SC 240 on the Life Cycle of the Predaceous Mite Typhlodromus pyri, Under Laboratory Conditions: Lab Project Number: E 387 1354-1: 110790: TP 02. Unpublished study prepared by Bayer AG Crop Protection Institute for Environmental Biology. 24 p.

45697122 Aldershof, S. (2000) Evaluating Effects of a Single BAJ 2740 SC 240 Application on the Predatory Mite Fauna (Acari: Phytoseiidae) in the Field (Apple Orchards): Lab Project Number: B017AFF: 110791. Unpublished study prepared by MITOX. 36 p.

45697123 Bruhnke, C. (2000) BAJ 2740 SC 240 Laboratory Test on Paradosa spp. (Araneae, Lycosidae): Lab Project Number: IPA 71801: 110792: 000323BL. Unpublished study prepared by Laboratorium Fur Angewandte Biologie. 35 p.

161-1 **Hydrolysis**

MRID	Citation Reference
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

161-2 **Photodegradation-water**

MRID	Citation Reference
45697201	Hellpointner, E. (1998) Determination of the Quantum Yield and Assessment of the Environmental Half-Life of the Direct Photodegradation of BAJ 2740 in Water: Lab Project Number: M1430843-3: 108547: 4378. Unpublished study prepared by Bayer Corporation. 32 p.
45697218	Stupp, H. (2001) Photolysis of BAJ 2740 in Aqueous Buffer Solution at pH 4 Under Controlled Conditions: Lab Project Number: M1121076-8: 110030. Unpublished study prepared by Bayer AG. 59 p.
45697227	Babczinski, P. (2000) Photolysis of BAJ 2740-Enol (BAJ 2510) in Natural Water: Lab Project Number: M 112 1023-0: 110866: MR-294/2000. Unpublished study prepared by Bayer AG. 62 p.
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

161-3 **Photodegradation-soil**

MRID	Citation Reference
45697230	Hellpointner, E. (2000) Photolysis of (Dihydrofuranon-3-(Carbon 14)) BAJ2740 on Soil Surfaces: Lab Project Number: M 113 0866-5: 110871: MR-708/99. Unpublished study prepared by Bayer AG. 60 p.

45697309 Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

45697310 Babczinski, P. (2002) Collection of Additional Soil Data Supporting Diverse Metabolism Studies on BAJ2740 and Related Metabolites: Lab Project Number: M9991193-1: MR-126/02. Unpublished study prepared by Bayer AG. 10 p.

162-1 **Aerobic soil metabolism**

MRID	Citation Reference
45697204	Oi, M.; Bornatsch, W. (1999) Aerobic Degradation and Metabolism of BAJ 2740 in Soil: Lab Project Number: M1250817-4: 109581. Unpublished study prepared by Bayer AG. 128 p.
45697206	Oi, M. (1999) Aerobic Metabolism of (Cyclohexyl-1-(Carbon 14)) BAJ 2740 in Soil: Lab Project Number: M1250895-0: 109583: MR060/99. Unpublished study prepared by Bayer AG. 38 p.
45697215	Burhenne, J. (1999) Degradation of (Oxolan-3-(Carbon 14)) BAJ 2740-Dihydroxy in Two Soils Under Aerobic Conditions: Lab Project Number: 1250004-2: 109760. Unpublished study prepared by University of Kassel. 53 p.
45697224	Burhenne, J. (1999) Aerobic Degradation of (phenyl-UL-(Carbon 14)) 2,4-Dichlorobenzoic Acid on Soil: Lab Project Number: 125001-9: 110863. Unpublished study prepared by University of Kassel. 49 p.
45697226	Scholz, K. (2000) Degradation of (Carbon 14) BAJ2740-Dihydroxy in a Soil Under Aerobic Conditions: Lab Project Number: M1250996-2: 110865. Unpublished study prepared by Bayer AG. 31 p.
45697228	Schad, T. (2000) Calculation of Half-Lives of BAJ2740 and its Main Metabolites BAJ2740-Enol and BAJ2740-Ketohydroxy Generated by Aerobic Soil Degradation: Lab Project Number: P668 00 6763: 110867: MR-405/00. Unpublished study prepared by Bayer AG. 29 p.

162-2 **Anaerobic soil metabolism**

MRID	Citation Reference
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

162-3 **Anaerobic aquatic metab.**

MRID	Citation Reference
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.
46865401	Mislankar, S. (2000) Anaerobic Aquatic Metabolism of [Dihydrofuranone-3-(Carbon 14)] BAJ 2740 in a Fresno, California Water and Sediment System. Project Number: 109728/1, BJ042401. Unpublished study prepared by Bayer Corp. 110 p.

162-4 **Aerobic aquatic metab.**

MRID	Citation Reference
45697205	Riegner, K. (1999) Aerobic Aquatic Degradation and Metabolism of BAJ 2740 in the Water-Sediment System: Lab Project Number: M 151 0865-6: 109582: 4431. Unpublished study prepared by Bayer AG. 87 p.

163-1 Leach/adsorp/desorption

MRID	Citation Reference
45697202	Hein, W. (1999) Adsorption/Desorption of (Dihydrofuranon-3-(Carbon 14)) BAJ 2740 on Four Different Soils: Lab Project Number: IM1977: 108928. Unpublished study prepared by Staatliche Lehr- und Forschungsanstalt fur Landwirtschaft. 24 p.
45697212	Wujcik, C.; Desmarteau, D.; Arthur, E. (1999) Anaerobic Aquatic Metabolism of (Dihydrofuranone-3-(Carbon 14)) BAJ 2740 in a Fresno, California Water and Sediment System: Lab Project Number: BJ042401: 109728. Unpublished study prepared by Bayer Corporation. 110 p.
45697213	Oi, M. (1999) Adsorption/Desorption of BAJ 2510 (Enol-BAJ 2740) in Soil: Lab Project Number: 109758: M 131 0874-4: 4350. Unpublished study prepared by Bayer AG. 55 p.
45697214	Burhenne, J. (1999) Adsorption/Desorption of [Oxolan-3-(Carbon-14)] BAJ 2740-Dihydroxy on Soils: Lab Project Number: 109759: 1310012-8. Unpublished study prepared by University of Kassel. 40 p.
45697216	Babeczinski, P. (2000) Aged Soil Column Leaching of BAJ 2740: Lab Project Number: M1210862-0: 109786. Unpublished study prepared by Bayer AG. 86 p.
45697217	Babczinski, P. (2000) Hydrolysis of (Dihydrofuranone-3-(Carbon 14)) BAJ 2740 in Sterile Aqueous Buffer Solutions: Lab Project Number: M1110818-0: 109787: MR-489/99. Unpublished study prepared by Bayer AG. 85 p.
45697219	Shepherd, J.; Arthur, E. (2002) Mobility Determination of BAJ2740 by Soil Thin-Layer Chromatography in Four Soils: Lab Project Number: BJ182101: 110343. Unpublished study prepared by Bayer Corporation. 54 p.
45697222	Aga, D.; Desmarteau, D. (2001) Estimation of the Adsorption Coefficient (Koc) of BAJ 2740 Dioxoketone on Soil using High Performance Liquid Chromatography (HPLC): Lab Project Number: BJ184001: 110768. Unpublished study prepared by Bayer Corporation. 23 p.
45697223	Burhenne, J. (1999) Adsorption/Desorption of 2,4-Dichlorobenzoic Acid on Soils: Lab Project Number: 1310011-7: 110862. Unpublished study prepared by University of Kassel. 43 p.
45697225	Hein, W. (2000) Adsorption/Desorption of (oxolan-3-(Carbon 14)) KTS 9301-4A (Ketohydroxy-BAJ2740) on Four Different Soils: Lab Project Number: BAY38: 110864. Unpublished study prepared by Staatliche Lehr- und Forschungsanstalt fur Landwirtschaft. 28 p.
45697229	Gilges, M.; Babczinski, P.; Gilges, M. (2001) Leaching Behaviour of BAJ2740 in Four Soils: Amended Report: Lab Project Number: M 1211000-5: 110868: MR 455/00. Unpublished study prepared by Bayer AG. 61 p.
45697307	Sabbagh, G.; Fisher, J. (2002) Estimating BAJ 2740 Soil Adsorption Value for Surface and Ground Water Modeling: Lab Project Number: 110984. Unpublished study prepared by Bayer Corporation. 24 p.
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.
45697310	Babczinski, P. (2002) Collection of Additional Soil Data Supporting Diverse Metabolism Studies on

BAJ2740 and Related Metabolites: Lab Project Number: M9991193-1: MR-126/02. Unpublished study prepared by Bayer AG. 10 p.

163-3 **Volatility - field**

MRID	Citation Reference
45697321	Pangilinan, N.; Jantzen, T. (1998) Determination of the Volatilization Behavior of BAJ 2740 (SC240) in a Field Trial: Lab Project Number: M1180963-8: 108900. Unpublished study prepared by Bayer AG. 47 p.

164-1 **Terrestrial field dissipation**

MRID	Citation Reference
45697207	South, N.; Davis, M. (1998) BAJ 2740 Terrestrial Field Dissipation Study on Florida Soil, 1998: Lab Project Number: AG90016: F98623-001: BJ022101. Unpublished study prepared by Battelle Memorial Institute, A & L Great Lakes Laboratories, Inc., Bayer Corporation and EPL, Bio-Analytical Services, Inc. 188 p.
45697208	South, N.; Davis, M. (2001) BAJ 2740 Terrestrial Field Dissipation Study on California Soil, 1998: Lab Project Number: BJ022101: 109650: AG990016. Unpublished study prepared by Battelle Memorial Institute, A & L Great Lakes Laboratories, Inc., Bayer Corporation and Bayer Research Farm. 181 p.
45697209	South, N.; Davis, M. (2001) BAJ 2740 Terrestrial Field Dissipation Study on Washington Soil, 1998: Lab Project Number: 109652: BJ022103: AG990018. Unpublished study prepared by Battelle Memorial Institute, A & L Great Lakes Laboratories Inc., Bayer Corporation and Qualls Agricultural Laboratories, Inc. 185 p.
45697210	Davis, M.; South, N. (2001) Terrestrial Field Dissipation of BAJ 2740 in Ontario Soil, 1999: Lab Project Number: AG990020: F99578-001: BJ022104. Unpublished study prepared by Battelle Memorial Institute, A & L Great Lakes Laboratories, Inc., Bayer Corporation and Vaughn Agricultural Research Services, Ltd. 158 p.
45697211	South, N. (2001) Laboratory Validation of Analytical Method for the Determination of BAJ 2740 and its Relevant Metabolites in Soil: Lab Project Number: AF000003: BJ112101: 109669. Unpublished study prepared by Battelle Memorial Institute. 151 p. {OPPTS 850.7100}
45697303	Wood, S. (2002) Analysis for BAJ 2740 Dioxoketone in Soils from BAJ 2740 Soil Dissipation Studies in Florida, Washington, California, and Ontario: Lab Project Number: 110972: BJ192101: BJ022102. Unpublished study prepared by Bayer Corporation. 29 p.
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

165-4 **Bioaccumulation in fish**

MRID	Citation Reference
45697002	Dorgerloh, M.; Koster, J.; Riegner, K. (2000) (Carbon 14)--BAJ 2740--Bioconcentration in Bluegill (Lepomis macrochirus) under Flow-Through Conditions: Lab Project Number: 109694: E 244 1065-2: DOM 96017. Unpublished study prepared by Bayer AG. 112 p.
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787:

108547. Unpublished study prepared by Bayer Corporation. 131 p.

166-1 **Ground water-small prospective**

MRID	Citation Reference
45697309	Hall, L. (2002) Fate of BAJ 2740 in the Environment (Summary): Lab Project Number: 110999: 109787: 108547. Unpublished study prepared by Bayer Corporation. 131 p.

171-4B **Residue Analytical Methods**

MRID	Citation Reference
45696514	Moore, S.; Bretch, F.; Murphy, I.; et al. (2002) An Analytical Method for the Determination of BAJ 2740 Residue in Various Plant Matrices by LC-MS/MS: Lab Project Number: BJ111601: 109351: 109726. Unpublished study prepared by Bayer Corp. 173 p. {OPPTS 860.1340}
45696515	Mattern, G.; Woodard, D. (2001) Analytical Method for the Determination of BAJ 2740 Residue and its Enol Metabolite (BAJ 2510) in Animal Tissues and Milk: Lab Project Number: 109720: BJ120201. Unpublished study prepared by Bayer Corp. 78 p. {OPPTS 860.1340}
45696519	Woodard, D.; Mattern, G. (2000) Extraction Efficiency of the Analytical Residue Method for the Determination of BAJ 2740 Residues in Animal Tissues and Milk: Lab Project Number: BJ220201: 2000B167: 109867. Unpublished study prepared by Bayer Corp. 36 p. {OPPTS 860.1340}
45696603	Nelson, S.; Hoshowski, J. (2001) Independent Laboratory Validation of the "Analytical Method for the Determination of BAJ 2740 and its Enol Metabolite (BAJ 2510) in Animal Tissues and Milk": Lab Project Number: 00ILV02BAY: BJ110201: 110477. Unpublished study prepared by Enviro-Test Laboratories. 94 p. {OPPTS 860.1340}
45696604	Wehrman, J. (2001) Independent Laboratory Validation of "An Analytical Method for the Determination of BAJ 2740 Residue in Various Plant Matrices": Lab Project Number: BJ111602: 110760: 109351. Unpublished study prepared by ABC Laboratories. 115 p. {OPPTS 860.1340}
45696611	Haas, M. (2000) Extraction Efficiency Testing of the Residue and Confirmatory Method for the Determination of BAJ 2740 Residues in Whole Apples and in Citrus (Peel) Using Aged Radioactive Residues: Lab Project Number: M 9991004-2: 110874: MR 429/99. Unpublished study prepared by Bayer AG. 52 p. {OPPTS 860.1340}

171-4C **Magnitude of the Residue [by commodity]**

MRID	Citation Reference
45696516	Krolski, M. (2000) BAJ 2740 240 SC--Magnitude of the Residue in Orange Processed Commodities: Lab Project Number: BJ19OR02: 109726: BJ111601. Unpublished study prepared by Bayer Corp. 222 p. {OPPTS 860.1520}
45696517	Perez, R.; Perez, S.; Jacquart, B. (2001) Evaluation of BAJ2740 and its Enol Metabolite (BSJ2510) By FDA Multiresidue Method (MRM) Testing: Lab Project Number: 109749: BJ162301: ADPEN-982-2K-0805. Unpublished study prepared by ADPEN Laboratories, Inc. 134 p. {OPPTS 860.1340 and 860.1360}

45696518 De Haan, R. (2000) BAJ 2740 340SC--Magnitude of the Residue in Grape Processed Commodities: Lab Project Number: 109750: BJ19GR02: 109351. Unpublished study prepared by Bayer Corp. 153 p. {OPPTS 860.1520}

45696520 De Haan, R. (2000) BAJ 2740 240SC--Magnitude of the Residue in Plum Processed Commodities: Lab Project Number: BJ19PM02: 109871: 109351. Unpublished study prepared by Bayer Corp. and National Food Laboratory. 113 p. {OPPTS 860.1520}

45696521 Beedle, E. (2001) BAJ 2740 240SC and BAJ 2740 40 WG--Magnitude of the Residue in Almonds and Pecans (Crop Group 14--Tree Nuts): Lab Project Number: BJ19AM01: BJ19PA01: 109872. Unpublished study prepared by Bayer Corp. 213 p. {OPPTS 860.1500}

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171-4A2 Nature of the Residue in Plants

MRID	Citation Reference
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171-4A3 **Nature of the Residue in Livestock**

MRID	Citation Reference
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810.3000 **General Considerations for efficacy of invertebrate control agents**

MRID	Citation Reference
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830.1550 **Product Identity and composition**

MRID	Citation Reference
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.
47024301	Fontaine, L. (2006) Product Chemistry of Spirodiclofen Technical. Project Number: 15/920/2222, BR/2549, ANR/2006. Unpublished study prepared by Bayer Crop Science LP. 297 p.

830.1600 **Description of materials used to produce the product**

MRID	Citation Reference
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.

830.1620 **Description of production process**

MRID	Citation Reference
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.
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830.1670 **Discussion of formation of impurities**

MRID	Citation Reference
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830.1700 **Preliminary analysis**

MRID	Citation Reference
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830.1750 **Certified limits**

MRID	Citation Reference
46040401	Fontaine, L. (2003) Product Chemistry of Spirodiclofen Technical. Project Number: BR/2101/R, 15/920/2102, ANR/03802. Unpublished study prepared by Bayer Corp. 271 p.
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830.1800 **Enforcement analytical method**

MRID	Citation Reference
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47024301 Fontaine, L. (2006) Product Chemistry of Spirodiclofen Technical. Project Number: 15/920/2222, BR/2549, ANR/2006. Unpublished study prepared by Bayer Crop Science LP. 297 p.

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MRID	Citation Reference
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860.1340 **Residue analytical method**

MRID	Citation Reference
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860.1380 **Storage stability data**

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870.1200 **Acute dermal toxicity**

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870.6300 **Developmental neurotoxicity study**

MRID	Citation Reference
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MRID	Citation Reference
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